

Introduction

Congratulations on your purchase of the Motorola *homesight*™ Wireless Signal Repeater. The Wireless Signal Repeater can act as an amplifier to stretch the communication distance from your Wireless System Controller to your system’s wireless sensor devices.

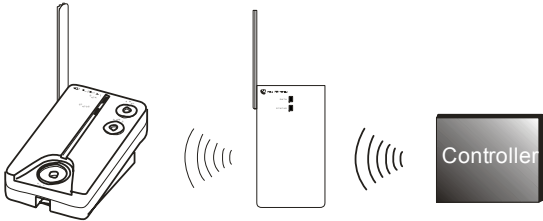
The Motorola Wireless Repeater will work with up to 16 devices at a time.

Using Your Signal Repeater

The repeater must be placed between the Wireless System Controller and the device whose signal you wish it to repeat. When positioning, avoid obstructions and metallic structures that might interfere with its functionality.

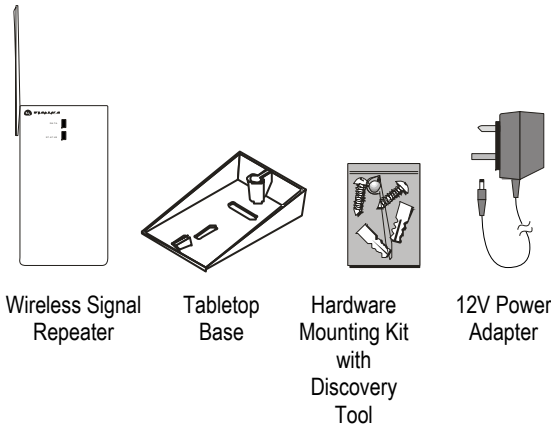
How It Works

The Wireless Signal Repeater can communicate with the Wireless System Controller to a distance of up to 18 m indoors. The unit relays the signals to and from the Wireless System Controller and a wireless device, effectively doubling the communication distance.



Installation Overview

Your package contains the following:



Installing your repeater is a simple two-step process.

- 1 Choose an appropriate location for the Wireless Signal Repeater as described in the Installation Hints.
- 2 Plug the AC adapter into the wall and the module.
- 3 Register your Repeater module with your Wireless System Controller using a process called Discovery.
 - a. In the *homesight* software, click on **System Settings**.
 - b. Select “Device Discovery” from the menu, then select “Start Discovery”.
 - c. After a few seconds, the System Controller will find and register your Repeater and details of the device will appear on the screen.
- 4 Position the Repeater, using either the tabletop base, or by following the instructions for wall mounting.

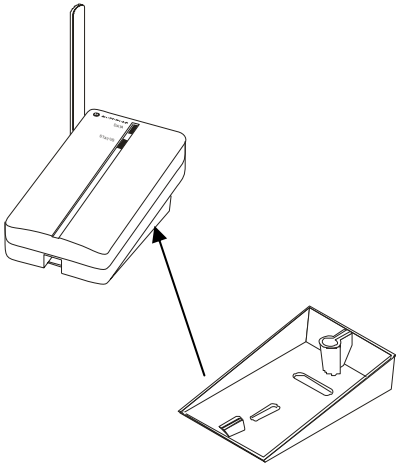
Installation Hints

The Motorola Wireless Signal Repeater is constructed of UV-resistant ABS plastic. Therefore, please consider the following points when mounting the repeater:

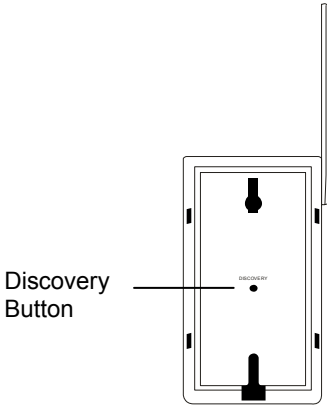
- Do not install the repeater where it is subjected directly to the elements.
- This device's communication range is up to 18 m from the Wireless System Controller in a typical home, depending on the number of obstacles. These can include metal framing, thick walls, and other wireless devices operating at 433 MHz. It is recommended that different positions be tried for optimal results.

Table Mount Your Wireless Signal Repeater

The repeater can be placed on any level surface using the included tabletop adapter. To attach the adapter, press the adapter into the holes in the back of the repeater.



Feature Locator



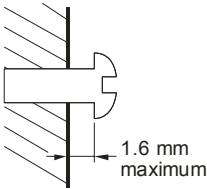
Installing Your Wireless Signal Repeater

Your repeater can either be mounted on a wall or sit on a level surface.

Wall Mount Your Wireless Signal Repeater

Warning: When mounting near a window, drilling too close to the glass could break the glass and possibly cause it to shatter. The window extends deeper into the frame than can be seen; therefore, ensure your screw is beyond the glass before drilling.

- 1 Using the supplied double-sided tape, peel one side of the paper strip and place it on the back of the repeater. Peel the other side of the tape and place the repeater in the location desired.
- 2 You can also mount the sensor more securely using the screws in the hardware kit. Using the holes on the drilling template found later in this guide, mark the position of the holes to be drilled. For drywall or other composite surfaces, use a 5.6 mm drill bit. Drill a hole for each of the mounting screws and insert a plastic wall anchor into each hole. For other solid surfaces, use a 1.6 mm drill bit. Drill a pilot hole for each of the mounting screws.



Troubleshooting

Problem	Solution
Repeater will not register with the Wireless System Controller.	<ul style="list-style-type: none">• Ensure that the Repeater power adapter is plugged in to a reliable source.• Ensure that the Device Controller is powered and online.• Ensure that you are pressing the Discovery button.• Reposition the Repeater closer to the System Controller.• Try another location free of obstacles.
Unable to discover the device	Make sure your Wireless System Controller indicates discovery mode and that the Repeater is powered from a reliable AC source. Press the Discovery button found on the back side of the unit. If your mounting bracket is attached, remove it to find the discovery button hole. If this continues to fail, you will need to try another location for the repeater. You may also try a hard reset by holding down the Discovery button while powering on the Repeater. After resetting the Repeater, please try to discover it again.

Features and Specifications

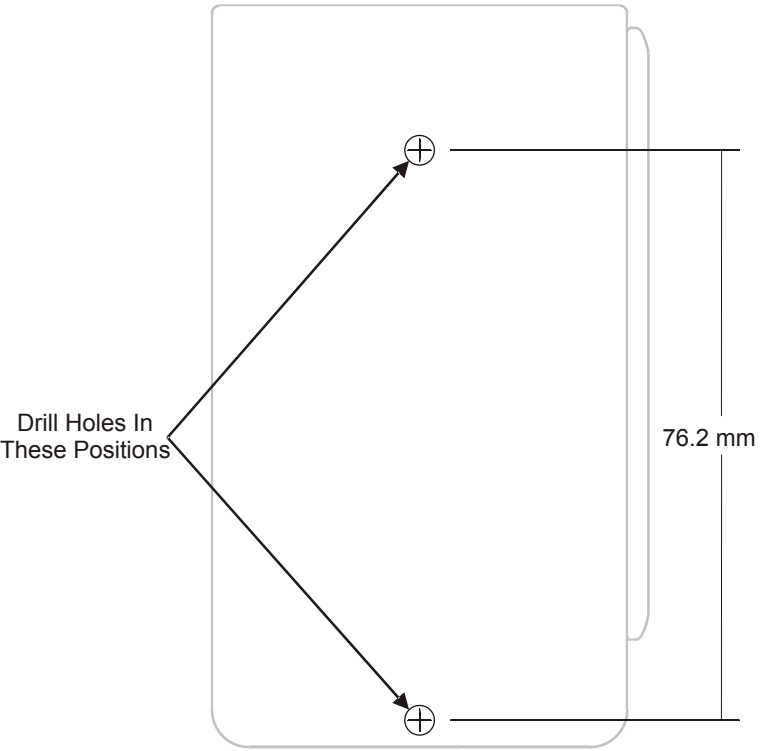
- Wireless connectivity to the System Controller
- LED in Repeater illuminates when activity occurs
- All hardware for either wall or tabletop mounting included
- AC adapter included

Communication frequency:	433 MHz
Typical open air range (line of sight):	60 m
Typical range indoors:	18 m
Overall size:	100mm L × 59mm W × 28mm D
Operational temperature/ humidity:	0° to 40° C with 10% to 80% humidity with all components operating within manufacturer thermal limits
Storage temperature:	-25° F to 75° C

Wall Mount Drilling Template

Mounting tools: Screwdriver, electric drill, or hand drill. On hard surfaces, Motorola recommends that you pre-drill 12.7 mm deep pilot holes with a drill bit slightly smaller than the mounting screws before securing the repeater to the surface. When mounting a repeater on soft surfaces like sheetrock, use an awl to punch holes in the material slightly smaller than the plastic anchors included in the hardware mounting kit.

The illustration is drawn to a one-to-one scale, which means that it provides the exact dimensions required to mount the unit.



Regulatory Information



CE Declaration of Conformity

We: Motorola, Limited.
Connected Home Solutions
Jays Close, Viabiles Industrial Estate
Basingstoke, Hampshire
RG22 4PD

declare under our sole responsibility that the following product(s):

Model #	Alias	Description
XRT750E	HMAC9101	Wireless Signal Repeater
XHA750E	HMSC7071	Wireless Keypad Kit
XWS50ME	HMSM4051	Wireless Motion Sensor
XWS30WE	HMSM4161	Wireless Water Sensor
XWS20TE	HMSM4151	Wireless Temperature Sensor
XWS10DE	HMSM4141	Wireless Door/Window Sensor

is (are) in conformity with the following relevant harmonised standard:

EN 301 489-1 V1.4.1:2002
EN 301 489-3 V1.4.1:2002
EN 300 220-1 V1.1.1:2000
EN 300 220-3 V1.1.1:2000

following the provisions of Article 3.2 of R&TTE Directive 1999/5/EC on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity, in accordance with the conformity assessment procedures identified in Article 10(5) and Annex IV..

Caring for the Environment by Recycling



When you see this symbol on a Motorola product do not dispose of the product with residential or commercial waste.

Recycling your Motorola Equipment

Please do not dispose of this product with your residential or commercial waste. Some countries or regions have set up systems to collect and recycle electrical and electronic waste items. Contact your local authorities for information about practices established for your region. If collection systems are not available, call Motorola Customer Service for assistance.

Limited Warranty

Wireless Repeater

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Please call the Motorola toll-free number, (0)845 601 0248, for technical support or warranty service.

Quick Start Guide

HMAC9100
Wireless
Signal Repeater



Visit our website at:

<http://www.motorola.com/uk/homesight>



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